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[Continued on next page]

(54) Title: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

1 ATGGTGCTCT CCCAGGAGGA GCGGGACTCC GCGCGGGGCA CGAGCGAGGC
 51 GCAGCGCGTC GGGCGCGGCG CGACGGGGGC CGCTCGCGCG CCCGGCGCG
 101 GACCTCGGA CAGCGCGGAG GGGGCTGTCG AGAAGGTGGA GTTGGAGCTG
 151 GGGGGCGGG CAGCGCGGGA CCCCCCATGAG CCCCCCGAAC CCCCCCGAGGG
 201 CGGCTGGGGC TGGCTGGTGA TGCTGGCGCC CATGCTGTC ACGGGGTGG
 251 TGTGGCGAT CGAACACGCT TGCGGGGTCG TCTTCGTGTC CATGCTGGA
 301 ACCTTGGCT CGAAAGACGGA TGACAAGATG GTCTTTAAGA CAGCAQCATG
 351 GGTAGGTCT CTCTGGCATGG GGATGATTCTT CTTTTGCTG CCAATAGTCA
 401 GCGTETTCAC AGACETATTG GTTGGTGGGA AAACAGCTGT CGTGGGTGCT
 451 GCTGTGGAT TTGTGGCGCT CATGTCAGT TCTTTTGAA GTTCCATCGA
 501 GCCTCTGAC CTTACCTATG GAATCATATT TGCCCTGGGC TGCTCTTTC
 551 CATAACCAGCC TTCACTGGTC ATTTTGGAC ACTATTTCAA GAAGGGCCTT
 601 GGACTGGTGA ATGGCATTGTG CACTGCTGGC AGCAGTGTCT TCACAACTCT
 651 GCTGCTTTCG CTCTTAAGGG TTCTGATTGA CAGCGTGGGC CTCTTTTACA
 701 CATTGAGGGT GCTCTGCATC TTTCATGTTG TTCTCTTCTT GGCTGGCTT
 751 ACTTACCGAC CTCTTGCTAC CAGTACCAAA GATAAAAGAGA GTGGAGGTAG
 801 CGGATCCCTCC CTCTTTTACA GGAAAAAGTT CAGTCCTCCA AAAAAAATT
 851 TCAATTTCGC CACTCTTCAG GTGACAGCTT ATGCAGTGTG GGCAAGTTGA
 901 ATACCACTTG CACTTTTGG ATACTTTGTG CCTTATGTTC ACTTTGATGAA
 951 ACATGTAATG GAAAGATTTC AAGATGAAAA AAATAAAAGAG GTTGTCTCA
 1001 TGTGCAATTGG CGTCACCTCA GGAGTTGGAC GACTGCTCTT TGGCGGGATT
 1051 GCAGATTATG TGCTGTGTGT GAAGAAGGTT TATCTACAGG TACTCTCCTT
 1101 TTCTTCATTG GGTCATGATGT CCATGATGAT TCTCTGTGT AGCATCTTIG
 1151 GGGCCCTCAT TGCTGTGTGC CTCTCATGG GTCTCTTCA TGATGCTTC
 1201 ATTTCCATTA TGCGTCCCCAT AGCCTTTGAG TTAGTTGGTG CCCAGGATGT
 1251 CTCCAAGCA ATGGGATTC TGCTCGGATT CATGCTCTATA CCCATGACTG
 1301 TTGGCCCAACC CATTGCGAGGG TTACTTCGTG ACAAACTGGG CTCCCTATGAT
 1351 GTGCTTCT ACCTCGTGG AGTCCCTCC CTTATTGGAG GTGCTGTGCT
 1401 TTGTTTATC CGGTGGATCC ATAGTAAGAA GCAAAAGAGAG ATCAGTAAAA
 1451 CCACTGGAAA AGAAAAAGATG GAGAAAATGT TGGAAAACCA GAACTCTCTG
 1501 CTGTCAGTT CATCTGGAT GTTCAAGAAA GAATCTGACT CTATTATTA
 1551 A (SEQ ID NO: 1)

(57) Abstract: The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the transporter peptides, and methods of identifying modulators of the transporter peptides.

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